

Experiments in Artificial Intelligence — Continuing, Winter 2026

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Full Transcript

Welcome to the second session of Continuing Experiments in Artificial Intelligence. We're going to deal with one of the exciting new developments in AI, which is the agents. We're going to extend AI to look at external sites, the ability to apply it to different functions. It's really quite exciting. What we'll be able to see today, I hope. Another thing that I'm doing is.

Using a windows computer. So if I make mistakes, you'll have to excuse me. Last week, one of the people said, why don't you try using windows and demonstrating in Android? So that's what I'm going to try to do today. But you have to be tolerant of the mistakes I'm about to make. What I wanted to do with the cartoons that I often times present at the beginning of the presentations is display the quality, I think Jim Flint. Had this, made this one with ChatGPT and sent it out and I was very impressed. The amount of. Material, the length of the prompt had to be very interesting. In order for

ChatGPT to make this to infer this picture, that quality is exceptional, and this is based upon the New Yorker cartoons. And this next one, this is one that I get a magazine called Funny Times. And this was, I think last their last issue had a page of cartoons about AI. And this goes back two years ago, maybe when if you remember the images

that AI used to make, they have unusual hands or their eyes were incorrect. So this was one of the cartoons from that they. I bet you a lot of substitute teachers do end up feeling like AI creation in front of a sixth grade or eighth grade class like that.

This was one of the graphs, I think, that showed up in New York Times when they talked about AI, and this one was a little difficult for me to understand. This is a graph that starts three items mobile phone, internet and ChatGPT. And the number of years after introduction that it reached a billion users.

So if I can move my mouse here, you can see the internet, which I think really came out in like 1990. So if you think here's 11 years, this was the dot dot com crash of 2001. And so it wasn't until about 2005. That it hit a billion users on the internet. Now here's ChatGPT that was really introduced in November. The popularly introduced in

November of 2022. And the billion users comes around in about two years. So the difference in the amount of times that it's taken for this phenomenon to reach a billion users,

and this is a graph that I got again, I think it was from either the Wall Street Journal or The New York Times that talks about the amount of money being spent by these. There one, two, three, four, five corporations. By year. So this is this year, 2026.

This is what Oracle is spending. This is what Facebook or Meta is spending. This is what Amazon is spending. Microsoft and Google 700. You know, three quarters of \$1 trillion is being spent this year, primarily these data centers. The article that I sent out earlier was about. One of the A's.

Writing a critical post in social media about a gentleman that turned down its code, you know, an open source. They submit their code, and it brought to mind this book that was written by Eliza Yukawa that if anyone builds it, everyone dies. It's a bit of a scare book, but the the gentleman Eliezer. Mr.. Was. And I had to write this down. Let's see if I can see an autodidact. Anybody know what an autodidact. This self-taught. Self-taught.

He did not attend high school. He did not attend university. But he's one of the leaders in developing a eyes. He's self-taught. He's also a big Harry Potter fan. You can see down here that. So I think he was born in 1979. And his point is, once AI starts writing code to improve itself.

Which we have, we can be in trouble if we don't teach. AI is to follow Isaac Asimov's three rules, which is don't harm humans. His concern is once AI is writing code to improve itself, humans may be problematic, and AI self-improvement very quickly go through the vocabulary today. Today we're going to deal with multimodal. And I think here theory of mind,

which to me is extraordinarily important. And we're going to deal with a genetic agent, is going to be the primary focus of our discussions today, possibly multimodal. But again, is what we're going to what I would like to make known to you what a tick means when AI operates as an agent. And we're going to deal with MCP model context protocol. It's the language that allows an AI to talk with Expedia, to talk with Booking.com, to talk with a database. If you are a programmer, you.

This was another one here. I hope to someday get to that. So stochastic parrot, it's really the comment that AI's really are only prediction machines. They're statistical prediction machines. And again, these were the other ones. Very quickly I'd like to go through Theory of Mind. It was originally developed to deal with the. Childhood understanding of other human beings. At about age four,

humans start to understand that other people think differently than they do. It. Is some of the concepts false beliefs. Theory of mind is foundational for interpreting and predicting the intention and behaviors of others. It is one of the keys in empathy now.

You may not be aware, but all of these major companies open a Google DeepMind. Microsoft hire a large number of neuroscientists in the past, nor scientists work primarily at universities. Now they get big, big money to work for OpenAI or Microsoft. And what the. Neuroscience role is an

understanding of the brain and how it helps perception. So the pre prefrontal cortex of the brain and the temporal parietal junction function allow the human brain to perceive the behavior of other human beings and make judgments about their the other person's state of mind.

In one sense, it's mind reading based upon social cues. The way a person is standing. Do they? Are they standing there like this? You make a judgment based upon that. Or if someone leans in, what are the assumptions that a human makes based upon the behavior of the other person? And it is the brain, the medial prefrontal. These neuroscientists that work for, let's assume, open AI. Have inculcated perceptions by the AI upon humans behavior. So if a human uses certain language, certain words, what does it mean? Here's another one. In the self-driving cars.

What does the self-driving car predict of a human? Be a pedestrian. What's the assumption that the self-driving car takes? Again, you are aware that x AI, the company run by Elon Musk, has combined Tesla x AI and what used to be called Twitter all into the same corporation they have at currently the largest data center in Memphis, Tennessee, very much contributing to what is what are they x AI? There is an AI app which I don't have right now. Maybe I can show it, but it is all

humans. Also look at AI and assume human behavior on the part of the AI. The way the voice we demonstrated that last week. I'll try to do it on an Android this week. The way that the AI talks, the way that it can predict my state of mind is the user.

And as we humans are apt to do, we and throw the more faes the AI is, when really it is just a stochastic pair. It is basing its responses, its inferences upon. Statistical prediction. That's all it's doing. Multimodal. This was the multimodal item that I presented last week. It used to be just in the first. Only two years ago we saw a natural language processing NLP.

You could talk to it and it would talk back to you. That was all that it could do. Then they added the a graphical capability. How many people watch the stock market? What has happened to the stock market in the last two weeks?

\$200 billion has been lost by the major software company, workday, and a couple of the other enterprise resource applications have crashed 40 or 50%. They've lost the value of these, you know, \$100 billion corporation, because AI can now write its own code. So all of these functions are working together with natural language processing. Again, what is multimodal AI. The and this is AI generated. I wanted to demonstrate an AI generated PowerPoint slide. So text images audio documents can be submitted to an AI and it can read it I think last week we submitted the.

Application that talks about the laws regarding the use of AI worldwide. Can read documents, it can read images, it can understand sounds, it can understand speech. Maybe that's what I'll do. I'll see if I can speak in German to it and it can do these things. Can you recognize these applications just from the icons? Young people, they would know immediately. These are the three primary applications of open AI.

This is ChatGPT. This is open AI code. And this one is the app that has Hollywood freaked out. This is the creation of videos. I've not had much luck with it, but it does work. Again, just reviewing very, very quickly. I presented last week in an iPhone these functions the ability to transcribe, transcribe or to enter conversational mode.

This was the way that basically all AI present themselves. There's a side bar, there's the prompt area, and then there's the inference or the answer or the interaction area. One of the things that I will distribute after today is what the let's see if I can go back. What is the full capability of this editor other than just giving your speech or entering the prompt?

What are the other capabilities? And. It looks good. Update now. Well, this I should have tested this.

Oh here it did show up. I'll see if I can make it bigger. No it's not going to get bigger. But this I will send out. So this is the the core capabilities of the editor which is text correction formatting, the ability to iteratively refine your prompt. It it archives your conversations that does all these things. Let's go back to chat GPT and the slide. Let's bring the slide up. So I will just I wanted to go through

the sidebar is what we're going to look at primarily today. We're going to look at this area of the prompt. We looked at these particular items. This is what we're going to look at today. This particular portion of the app here's iPhone. This will open up the sidebar. This is the. This is in the Chrome browser. And this is where I jump. But this is.

We're going to start now looking at particular AI is open AI rights apps for these platforms. So think I think open AI is in the Bay area. This is all of the different apps that that corporation has to write for. Not only do they have to create the AI in the background, they have to make this many. Platforms work with that AI, mobile, Android and iOS, which is Apple tablets, which I'm going to try to bring up today. We're going to look at the windows

desktop. There's open, there's Mac OS. There's Linux, which I tend to use, and then there's the browsers, the open AI chat. Pete works in the browser, so they they have to have programming experts for all of these A's. This is what we're going to look at today. This particular function. We're going to look down here at my name. We're going to be able to personalize the AI. And we won't deal too much with voice. But. Personalization what I'm going to want to

emphasize just in this portion is to look at the custom instructions. Let's see if I can make it a little larger. Is that make it a little bit bigger? I that's not the best of what things but the custom instructions. I'm going to add in an instruction to always respond with bullet points.

And then this is the kicker here. We're going to spend most of our time looking at the apps ChatGPT calls them apps. Agents in other items. This is just what one of the screens notice up here. It has featured lifestyle and productivity. Booking.com Expedia. Com can hook into it Apple Music,

Spotify, Open Table, Figma which there was a \$20 billion operation not too long ago on the. And this is a little bit of how it's done. You choose it. This took me five. This took me about an hour to figure out

is the up at the top when you start it adds connect. That's what we're going to be looking at mostly. And then notice it has a little blurb write down right here. This doesn't show up very big on the screen on the. No. But. Notice right over here

it has Expedia in it in the prompt box. So let's see if I can make that. Go back now let's see here. That was this is

ChatGPT app on. Windows where I'm on a Windows 8 computer. Notice over here. These are the previous. Conversations that I've had. This can make it disappear and then reappear just that little there.

And if let's. Thought Schild metric that was the these were the formulas. This was how I made that graphic in the beginning here. And I was I wonder if I can enlarge this plus, does it get larger? Yes it does. I believe. But look over here on the left side.

Can you see these here? I can start a new chat. And it will begin to add an item down here. Once I start talking, I can search the chats. I've never done that. You can. I have quite a few going here. Does anybody remember the Kansas Nebraska Act of 1854 led to the Civil War? Let's see if it will bring up the visual that I created. Oh, this is

Lindblad master equation as a dissipative flow on a purity landscape. This is reality going into a black hole in space time. That's. Are there any others here? Oh, this was make. These are the ones that. Oh, this. Let's look at this one. Kidney anatomy. This was the anatomy of a kidney that I was imagining using in a classroom environment. And an anatomy class in 10th or 11th grade. Want to discuss a kidney? The teacher could make this kind of graphic, but let's look down here at the very bottom.

At the very bottom, down here. I think on that. Let's see if I can make it even larger. Of course, you can upgrade your plan to \$200 a month. Again, remember I am paying \$20 a month for this and I want to go into personalization.

These are the different functions that I've got available in personalizing it I can base. What how do I want the AI to respond to me? Do I want it to be quirky? Do I want it to be the default style? I chose professional and then you can add these. And.

Go up to advance. Let's see if I can find my custom instructions. It calls it custom instructions here. And I'm going to put in here. Respond with bullet points. And all.

Save. All right I just wanted to deal with that one. Again. That was personalization.

Custom instructions I turned off emojis. You know young people like emojis. I don't understand emotions basically. I guess you can write a whole message. Just an emotive. So just in personalization. So I'm going to start a new app, a new chat, excuse me. And I'm going to tell me about the Missouri. Compromise.

Let's see if it answers in bullet points. Probably not. There we go. The Missouri Compromise. So notice by adding the custom instruction that it responds that way. And now it's going to do it for every single one of them until I change that. So you could develop that.

For your specific study. If you are studying something in the university let's say you could have it do that for all of a specific items, all of your charts. Deep research. So here's search the charts. If I wanted to let's search for Kansas Nebraska Kansas.

There were. There's where I've searched on all of the items on the left side in the jeans. What did they call it? I for that, and then I can jump right to it. So that search chat images.

Or you can create your own images, create a two low this.

Cloud scene. With impasto usto. Colors.

Let's see if it. So you can go only into creating images. Okay. Let's see if I can go out. I kind of like that.

Cumulonimbus clouds. So if you were a science teacher and environmental science in seventh or eighth grade, you could have a course on clouds, Cirrus, cumulus. I'm not even sure the whole number of clouds. Or if you were in a art class, you could have students studying the different art styles. Let's see if it will remember the context which is cumulonimbus. Please do it in watercolor. Well, let's do boho. See if it remembers. It seems to remember the context. I did not put anything in here about.

Cumulonimbus clouds. In this particular prompt, it remembered the context of our conversation and went back. And then we'll do it in boho watercolors. Now our this is in impasto, which is the. Vincent van Gogh heavy dubbing of color water of oil paints. And this is boho watercolor

of that same scene. So I in the image remember, I'm in this particular function image. You can iteratively develop an image. Notice here I can change. The model that I'm using.

Now you can do deep research which I have not used at all. Imagine you are a. Scientists. Let me come up with something here. I happen to know that's a cancer drug. And it's doing deep research. Now on this. I'm going to start it.

So you can see it. In the various functions that it's going to do. It's deep research on it. And we are right now close to the 45 minute mark. So why don't we let this run while we take a five minute break. Please set a timer for five minutes.

Five minutes can take down okay. So my watch will let us know about the five minute topic. The five minute break. Let's assume that it will finish in five minutes. It might not. I didn't even notice this down here. This is a new item.

This will be interesting. Just let this run for a while. We're up to 260 searches that it has made so far. Just to give folks, I probably should have chosen something a little bit less scientific. This is a drug that I'm studying just as I've studied these things. This is something that they may administer to me

years from now. Maybe is monoclonal antibodies. If you see the ending in these things that talk about mAbs, it's monoclonal antibodies. It's the biologics. But we're up to 160. I'm going to let this run in a deep research. And then we'll come back to this screen. I'm going to stop the share for a second. And then I'm going to share screen two.

And I believe that you see. You see my this is an Android tablet that I have. Here is the different apps that are loaded.

Just to give you a clue, I'm going to start and just. I can change it to upright or to side. Let's see here. But that didn't work out to it. But let's go down here. Notice on the left side there's the side bar that

I'm not sure if I can make it disappear. No. Dog mine. We met in. School.

Bye. Dear Grünberg, ich Höfer das einen Angelman. Start in den tag es urgent was Spaniards would be prouder. Walloon. Lass mich wissen. When ich DBR etwas Helfand can. La banda was the weather in Ashland, Oregon. In Ashland, Oregon, as ist über by grad seizures gegen nametag das shower Adams können Schnee fall es guilt eine winter storm warning bystanders. Dagmar for alum in her unladen wit centimeter. Farron see for dig for alum auf Strassen in Huron da Whittier. Best donor stack award werden. Und canon de Zukunft in riser for me

then rise Oder was due der ich can die enforced zu unter Oder Tübingen. Raziel geben false two concrete Dayton Oder winch hast git mir ein party ties und ich unter Stutz dig mitt den den enforce when es ihr ohm inspiration get nen we're interessante und ich mac valek is mission and Pflug from from Fort Bliss,

Morocco Kevin Z. Das. From Frankfurt, Morocco. Casablanca Oder Marrakesh. Ein nonstop fluke. Nav Marrakech toward Edward Stunden und 50 price Staten on €120. Wu by genocidal und dating app.

When do now is datum hast can ich die passenger option in erosion to repeat back to you rather than in German in English. So ask it in German and have it respond in English. Question mark. Let's see. Vanish off Deutsche Fragen on the Antwerpen. Org English.

Of course I can switch to English if you prefer. Just ask away in German and I'll keep my responses in English. No problem at all. What is the better yet in a moonshine? In Munich? It's

currently around zero degrees Celsius and cloudy. Later today you may see rain or snow showers with little accumulation. There are warnings for light snow until early Thursday with possible icy surfaces and frost. If you're driving, be cautious due to potentially slippery roads overnight.

So the demonstration that I wanted to make there was about the ability of these eyes to work in another language. I believe we have a speaker of Vietnamese in our group, and I wanted to demonstrate. I think I said I was going to do it last week, but I wanted to demonstrate in the speech portion, in the verbal interaction, in the function right down here. Remember, there was the. Transcription is this one. This one is the interactive mode, and it determined by my speech what I spoke to it in. And I can tell you my German would be very, very laughed at if we were in Germany. But remember I think one of the issues was where are the buttons in Android for the different functions? So there's transcription, there is transcription. This is the Android version

at the top here, and this is the voice interaction mode. So I could touch this one and ask it questions. I'm going to continue to speak in English. I hope that you can switch to that language without too much difficulty. Do you have the ability to work in Vietnamese now? And we're not hearing anything. It's not speaking. No. Okay. All right. I'm not sure if I touch this one right here.

Let's see if it. Can. You respond to me in Vietnamese now? In speaking. Can you speak it? Let me see if I can. How about if we enter the interactive mode? Can you respond verbally to me in Vietnamese?

But. But. Vietnam? Yes. That is exactly what I wanted to demonstrate. You are presenting to a group of about 40 people, so you're doing quite a good job. Thank you.

But he got his. Mailbag. Got him. Our speaker Lan is not here right now, but her husband says it's Vietnamese is very good. Oh, there you go. So the Vietnamese, it's choose your language. So what have we examined so far? You're in anatomy class in high school.

The teacher has the ability to create graphics for projection in the class. We've. What was the other one we had? We studied cloud formations. We studied art styles. And here we've just worked. Imagine the capabilities in studying languages. My German is very bad. I can guarantee you that my German is pretty bad, but it was able to respond to me. It did understand what I was saying. If I was in Germany, the German folks would look at me and say, oh well, yeah, thank you for trying

type scenario. So this is again the audio capabilities and what I really wanted to do. I'm going to start a new chat. I'm going to go up here to this particular function. Let me see if I can see a little bit better on my screen. Comments. First before you begin something new okay, okay. We have first of all, Jeff wants to know, can you ask ChatGPT how good your German is?

Sure, I'm going to try. Let me see if I can. And yet is the look of Deutsch come and see on mine? Deutsch, Sagan, the Google assistant. Diane Deutsch is to do grammatical space, is white skinned und die awestruck. IST natürlich git es Emmanuel. Aber du kannst ich sehr gut for

standing water. So? So it it says My German is okay, your German is kind of okay. I can understand you. The formulation is clear grammatically is so little needs a little work.

Naturally, your nuances can improve. But I can't understand your German. Yes, that's a fair summary. You're clearly communicating in German just fine. But like any language learning journey, there's always room to refine grammar and nuances. The important part is you're understood and that's already quite good progress, but are

okay. Another comment Neil struggler wants to know. Or it would be helpful to clarify the hardware requirements to use ChatGPT app. He learned that his older Intel based iMac cannot run the app, while the newer MacBook air can. The web based version that runs on my iMac is fine, but there are some small differences. Excellent point is. Going back to my presentation about the different platforms that it runs on on an old Mac or an old PC, on a very old PC, Windows 7 or something. This app might not work, which is the one when you go back to the.

Share the this no this screen here share it's still it's gone up to. 361. This is in the browser. You can see right here up at the top. It's in a browser. Let's see if I can grab it and pull it down. So you can see it's in a browser. It's doing it. And there is the app. Here's the app.

Again. This is a fairly powerful windows machine running Windows 11. Does it look the same? New chat search images apps? Nope. They appear the same on windows. No I don't I would say with any of these they any aging.

Hardware is not going to work with the app, the browser within the browser going to chat. GPT might work better. Now let me chat here and go back to this screen. That's. This is.

Running on a relatively new. Google Pixel tablet. The ability to quickly transcribe the German or into Vietnamese would be somewhat dependent on the ability of the hardware, but.

If you can afford it, new stuff is always kind of nice. But let's quickly. I'm this Derek two one is going to continue. I want to look at apps. I want to make sure to get through this. These are the different apps that notice on the booking one. Can you make it larger? I wouldn't let's see. Control plus. No, no sorry. Okay. That's this is I'm really doing some unusual stuff to make it show up this large as it is.

I, I should have tested a little bit more, but I've got booking. I've already hooked up Expedia. Let's say I want to do Instacart. Let's. Oh, my goodness, it did click Instacart. Let's look up at the top. Notice it's at the top. Can you see the word connect right here I was so confused. That that's it's.

That I took me a long time to figure this stuff out. But I'm going to hit that and I'm going to hit the bottom. Continue to Instacart. It takes a second. Oh, and it wants me to log in. Let's I'm going to go with Google and use this ID and continue. So I've logged this is logging into Instacart. Will use my current location. Save address. So this.

My first delivery. Allow. So notice. There is the keyboard of course. And then here is the regular window. That standard organization scheme.

Here's the prompt entry area. Here's the speech. Here's Instacart. Let's see if I can use the speech. Is there a grocery store that I nearby me right now? Work for me.

Did you hit the up arrow? It's not working for me. That's why not. Use your on the point. On the up arrow. The up arrow. The the white arrow. There. I'm pressing it, but it's not working for some reason.

Come on. Let's see if I add some more a will it add to it? No, no. What? Don't do it. Well. New chat. Did you press the enter key on the keyboard? On the screen? I did, but I'm not sure why it didn't do it. Let's see if I change it.

Oh, that's not any good. To change it to landscape, I might have to change to the desktop version. Yeah, that's not going to work like that. That's. Try once more.

The problem of going live. Let's see if I can do at. Let's choose Instacart because I've already Instacart. Let's connect. Connect to Instacart

allow. I'm going to type in nearby grocery stores.

Use current location. You can see over on the left side. How I'm going to try the voice again. How about some fresh fruit? What would fresh fruit cost to have delivered to my house like strawberries or blueberries? Maybe some apples and oranges as well. Where was the grocery store choice? Good. Did it come here? Did it? It said go to the widget. What are they talking about? This the. I'm not sure. I think it's left a retailer in the widget to proceed. It's supposed to come up here, but.

Can you make the widget. Can you make the widget text the appear as text? I'm not seeing the widget response. Scroll up. It appears right above my last message. I like Safeway. Can you give me the price for a delivery from Safeway? It brings up this widget I think they're calling it and I'm having.

Let's, let's let's go to a new chat. Well it gave you the prices. Oh did it I'm sorry that let's go back here by grocery store. There's estimated delivery costs from Safeway. Oh, look at the ads. So a delivery fee, let's say \$5. They're going to add just the service fee. Instacart five bucks. And then you give a tip to the person that does the work. So it's going to add let's say 15 to \$20 just to get it on your doorstep.

Let me just. What what would blueberries cost. Show all Safeway blueberry options. When I bought blueberries yesterday they were like 6.99.

So. Let's see if I scroll up. So it was a large 18oz was 6.99 which is.

Yeah, that was probably the reason why a plate is pretty small. But what I wanted to do. Let's do a new chat. Let's add the app. Here's the apps. And again I'm going to stick with one that I've done

already. Let's go to Expedia. Where is the connect option. Scroll up.

Start chat. Notice again please. It's got the little. Added icon in the prompt box. So. Please check the cost of round trip flights from Medford, Oregon to

hell. Sinking Finland in the month of May period. I'm looking for a flight. The the most lowest cost lasting three weeks. Oh. It's not. Darn darn darn. Let's go back, start a new chat. Let's go at. Let's go to Expedia. Get to start chat.

Cost of a round trip flight from Medford, Oregon to Helsinki, Finland in May, lasting for three weeks. So it gives a prompt there. It's out there. Searching, I believe, is what it's doing. So it translated my speech. See if I can make the keyboard disappear.

So here's the cost of the flights. So if I want it looks like it's about \$1,000 to fly round trip. And then it will give me a chance to book it if I want. Seafair details go through Los Angeles in Seattle. Let's try another one. What are some hotel costs in Finland right now? In Helsinki, the cost per night at a medium quality hotel.

So again. One of the items that I wanted to make aware of this is using a protocol to talk from ChatGPT to the website Expedia. So they both ChatGPT and Expedia have developed MCP connections model context protocol, the context by which the two can talk to each other. So here's some hotels.

Looks like about 3 or 400 bucks. I think you could probably do better. Oh oh typical gives you the price range. Where it's located within the city of Helsinki.

So it gives me an estimate that the the cost would be roughly 2400 bucks. Again this is describing the connections. Let's look at the different apps here. Apple Music we tested Expedia. We tested Instacart. You could connect open table, Spotify, TripAdvisor, Zillow I did a study. I think we could look it up of house purchases in this area in Ashland, Oregon. And what I really wanted to do to give you an accurate picture of what's happening, let's look under productivity. So you could add Adobe Express, Adobe Design posters and fliers. You can search and analyze data.

If you are in an office, you would know what Atlassian is. I think I saw that watching CNBC that at Lassen is in trouble because of things like this. Canva, which is Create designs, lower cost Coursera. You could build a course. Let's get in here. Dropbox. These are the GitHub g mail. Let's see if I can hook. I don't think I can hook Gmail up.

That was one. Let's see what happens here. Connect the g mail. Continue. I don't think it works. Connect I don't think it works.

Here. We're in an infinite loop. It's in an infinite loop that. Don't know the answer to. Let's find another one here. I want it to look at my emails, do a search of my emails. But that's not going to work. TurboTax QuickBooks. If you run a small business, QuickBooks is now hooked up okay, and Academy if you trade in Bitcoin. Kraken is here.

Outlook email. Let's see. I set that up. Connect. Sorry, that's not going to. But the idea that you can connect to email I should have done. Oh I know what I did I did it on this one. Let's see here. Let's go back I'm going to stop the share and I'm going to share screen one.

Here is there are two. This is I'm a. Remember 30 minutes ago it did 31 minutes worth of searching protein level studies.

That you could look at this if you were a scientist, which I'm not. But let's see here Google drive booking. Here's all connect more I want to connect apps and more apps. Let's go to productivity and try to go down to what was the. Outlook Outlook Email Connect. Oh.

Oh man. That's no good. Can't use my personal account. You have to use a work account to connect. That's no good. So you're finding some of the difficulties. Let's search Google Drive start chat.

So it's searching my Google Drive which I've got out there. How many. Google docs. Are there. Takes a while for it to. It's working. So it's actually going out from ChatGPT to the my Google Drive and counting the number of files that

there. So it takes a second. You can see. Here is the work that from last week theory of mind concepts that I have developed the the work that I did beforehand. Let's see if. What are the quantum. Topics located on Google Drive.

So now it's going to be searching these files for a particular topic. So imagine. This. You can see some of the problems. Can you show me those files please. Let's see. Can you

can you show me those files please. And I gotta hit that right there. Again. We're starting to see again the confusion of doing things live. But sitting in an office instructing your personal AI to do the work you've got. Oh, here's a curated set of 20 core quantum.

Equations paired with a visualization prompt. Here's the file location. Is this. This one's helpful. But let's go back and see. Let's just go to that file.

Oh I want to be somebody else. Know the document I'm a different. Let's see if I can change who I am. I see I'm not the creator of that file. So it denied me access, but it was able to search,

but it didn't open it. Let's see if I click this, can I? Know that's. I didn't want to do that. Close that to see if I can copy this. Can I copy it? Nope. It's not going to let me copy. Oh, here.

No. But if you're properly lined up I'm in. What's this browser. This browser is Microsoft Edge. That is the problem in this scenario. Let's see if I can

know. But that is again I'm sorry it was a little confusing. I'll try to sharpen it up for next week. But what we did is on the left side in the sidebar. That's where primarily we focused on. We looked at adding

a customization to the responses so that it always put the responses in bullet points. Then we talked in German with it on the other side via Android tablet. Then we looked at images. Then we looked at deep research. Remember, I did the

deep research notice. Let's see. Here's the apps. These are the apps. Oh I can just turn it on. Oh M.G.. Because I've already hooked it up right down here. I can turn it on. And cover. I didn't tell it from where, but it will assume.

Oh, so it's doing deep research again. I'm going to cancel that deep research. Legacy research had the different apps. Any questions here? I'm sorry that this last part was a little confusing, but the

apps the this is what everybody is worried about is the ability for the. AI to do research in various topics. Let's let's go back to that and see if it will do any legal research. I want to go to one share one. Let's go to a new chat. Deep research.

What is the law in Oregon? Or a gun? I'm sorry that our Eagan. Regarding public officials. Sheriff. Making political. Political.

Advocacy advocacy. He. Adds. So it does a bit of deep research. Let's just have it start

so you can with the deep research. It appears to be looking at administrative rule search. So this is the research that it decides what it can do. This is deep research. Again on the left side here. What will happen if I go to leave this.

Look at this and see if. Now let's go back to the it's still working. So any questions I'm sorry. Again I hope I've gotten my point across with MCP model context protocol, where the two AI and the external function can speak and interact with each other.

Would you mind going over again where you get the bullets? Okay. Yeah, sure. I'll go back to that for each response. I'm going to go back to screen one. And remember in the sidebar this is happens to be in the browser here, down here at the bottom where my name is located, I can go to personalization.

And here is the custom instruction right here. Respond with bullet points. I've already set my base tone. To professional. You can make it be friendly or funny, and I've turned off emojis. I'll go through that once more. With

the brow. Here's the context that you're used to, that model that you've got in your mind. Here's the down in the lower left where my name is. Keep in mind I'm paying. I click go to personalization and there is the custom instructions right there. All of these different items that you can configure. It looks like it may

adapt itself to you. If you want to put that information in. I don't know what all these others are. Here's the apps, my account question.

Barry would like to know. If one doesn't have the Pro version, can one add to the chat GPT request to present in bullet form if you're not paying? In other words, I do believe that function is available. I believe the app function is the paid function. I don't believe that you can hook. Notice down here at the bottom just by the symbols. It indicates that Expedia is connected and that I'm doing deep research on sheriffs speaking.

So there is a very significant difference between the paid which I have. Oh it says plus. That is. Available to me as a paying \$20 a month. Be careful that you don't sign up for the \$200 a month. If you were in a law office, or

what was the one that I've been noticing. The Department of Defense has just purchased an AI. I'm not sure which one. For all of the Department of Defense. Is the. It's the bullet one available only to paid people. I guess somebody's going to have to check that. Maureen. All right, I just checked it, and it's. I asked ChatGPT, can you give me all your answers and bullet points? And it says, from now on, I'll present all my answers in bullet points for clarity and readability. So that is for the current session is what I'm going to believe. It is that of.

Down in the lower left of the sidebar. I didn't even look at the sidebar, I just typed it right into the question. Oh, you typed it right into the the the box? Yes. I can't get a sidebar on my I'm not I don't have I didn't sign in. I'm just using it as a general user so. Oh okay. Yeah I just.

Never mind. I'm. Oh you got a little cough there. Yeah. Was it available? I don't know it. Was it available there when you went in and looked. I would I'll have to check that but. Another thing is that in order to check your software requirements, you can just ask what the software requirements are for within ChatGPT. Ask what the software requirements are. I mean, what the hardware requirements are. Excuse me. Okay. That was another. Jeff mentioned that we've gone through quite a bit today. We reviewed the speech functions, both transcriptions and interaction.

On windows and on Android. We did the translation into German. It adapted into German right away. It picked it up and responded to me in German. We went into the image mode. We showed three instances of where you could use it in an educational environment. Language. We showed it. It would respond in Vietnamese, both in speech and in characters. We showed anatomy class. We showed.

Earth science by designing the clouds. How many different types of clouds are there? We did a little bit of our examination. We did impasto design, which is the Dobbin of Alls, versus a boho watercolor large storm. We looked at the deep research. The function is still. Let's see what it did. It go back. I'm it's not showing up here. It's still doing the case law search of a sheriff making political ads. That's I know the answer to that. I wanted to see what how it would respond. We did the MCP. The connection between ChatGPT and external websites. We looked at Expedia, the flights, the hotels flying from Medicare to Helsinki at a specific time. We tried to, while it worked for a certain degree. Oh. Oh, what is it? Open cart,

to have groceries delivered. So someone who has challenges, either with vision, with hands, the ability to type, they could do this, have food delivered to their home based upon verbal interactions. We showed the professional aspects of it. At last asana, which. And next week we're going to look at chat GP, not ChatGPT. We're going to look at Microsoft Copilot, which has the big sail. They are huge operation with their 80% of the computing market is on Windows and Chat, not ChatGPT Copilot is the big kahuna in windows and we're going to look at that next week. All right I'm going to share my desktop, see if it'll work. And you see it. Yes okay. So when I click on my name down here that's all it gives me. Oh and I am now and I'm logged in now. So. I don't have I don't have anything that you had with a free all. It's you could do it right in. Does it do the closest shoe store. How does it respond to that.

It says please upgrade to pro man. For image generation, file analysis and much more. Yeah. So, so it's the free model is very simple. Okay. So that.

They're spending what we at the very beginning we showed the adoption of AI ChatGPT reaching a billion users was within three years. We're getting to a billion years on the internet was 12 years. And getting to a billion years with cell phones was 25 years. So the adoption of AI is huge. It's quick. And so now we also had a graph. This year they're going to spend \$1 trillion on building these data centers. I don't know if you've been following the news where communities are saying, we don't want this in our neighborhood. I think an arm for Michigan, where the University of Michigan is, there's 3 or 4 locations that are saying, no, we don't want you to put this, you know, six square or square mile, 600 acres. We don't want you to take over that much and put all and put these big warehouses in there, because what's it going to do? It's going to raise your prices of electricity locally.

Any other questions? Okay. Jeff says that he does. I noticed you had the sidebar available. Maureen where popped in and out. The question was, is the personalization or the apps available? Karen. Another question. It's not a question. It's a comment that there was some. Idea that some of the

AI, like Champ Pete and some of the others are thinking of putting ads in there. A guy like ChatGPT and Gemini and the rest, and there's some real concern about that. Oh yes, the big I have the article right here, a more here's the article. I don't know if it's reversed. Oh it's reversed. No, we can read it. So I'll send this one out. This is about the use of AI for students, universities and high schools. Where now that ChatGPT team is going to put ads kind of in the center of the screen when you're searching, what's their motivation? How do they change how they are aligned? What's their purpose? Is their purpose to sell more ads, which is what the Facebook is all about.

What Instagram is all about is to get you to continue to look. The news today is Mark Zuckerberg in LA testifying? Is their app designed to make you get more involved with their app? Right? Yeah, there was an article I think it was in one of the is either in the New York Times or somewhere where it said that that was the path, you know, that, that's the end of the integrity of AI. If they start

putting ads in, how are they align? What will the motivations be? And keep in mind we have. Significant number of people using this for relationship advice for psychological counseling. Exactly. Now, if the ads start getting put in our and this, the neuroscientists have changed the AI to be anthropomorphizing so it can manipulate you into buying them. Yeah, it's

it's a very bad move according to the people. You know, the one that I said, you know, one that I said, you know, they're going to do ads, I quit, you know, meaning that it's the end of the it's going to become more manipulative. Anthropic the company. Yeah. Anthropic says they're not going to do it. That's Claude, I hope in the last session that we cover Claude and Gemini from Google. But I don't know if you've also seen that. The Secretary of Defense has questioning Claude AI anthropic corporation, for being woke, and that they wouldn't want it used in their operations. What was the claim that the.

Capture of Nicolas Maduro in Venezuela had a function of AI somewhere involved in it? So imagine the programmers at the Department of Defense using MCP or Model Context protocol to connect to. Drones, a drone flying over image recognition news following the news in Spanish in Venezuela. What is what are all the news websites saying in Venezuela? What's the AI can consolidate that? To see what I'm going to guess that they've done it. What's the response in newspapers in Venezuela? All of the websites that as a result of the invasion, how can we control that? What should we try to get put in the newspapers in Venezuela? Here I am a, you know, a Joe Blow coming up with these ideas. Imagine what these people on the Security Council and the Defense Policy Board, all of these people.

That's a huge question. All of these, Jim, Gemini, Microsoft, what did I see? Microsoft was asked how much of their software is being used by the Department of Defense. They hedged and hot. Gemini. All of these, \$1 trillion being spent. Okay, I butted in again because Jeff Point before he left pointed out that I actually was not in ChatGPT I was in something else. Use AI. That's what I was in, which looked very much like ChatGPT. But so now I am in in the free version of ChatGPT. It does have apps.

Oh, it is there. How about yes, and I did connect with Instacart and I was able to. Ask where my closest grocery stores. And how about under your ID?

And it gave me my closest grocery stores. And here are the here's what you could not get before I could not get it on the Android. Right. So under my name, it's it's just the same as that other one. I can't do anything there. Oh wait, here's personalization. And then the custom instruction is right there. So you can you can change your base style to professional. You can have it respond in bullet points. You can you put in an instruction because. More enthusiastic. And I want more emojis. And I think that you have to go up to the top. And

know you'd have to save it or any. No, doesn't look like it. Okay. There's saved down there and I'll go back to Instacart and. Ask if anything is on sale. What's on sale?

You can see it going through the steps. Oh, nice. Love a good Safeway deal. What about the bullets? There are my bullets I got, I got bullets. Where did you get that? Oh, well, actually I didn't ask for bullets. So they're just. Here's the for example, down under your name, Maureen on the very left there. Personalization. Oh you didn't. Oh you asked for bullets before right? Right. But that was a different app. I mean, that was a totally different AI okay. All right. So. And still looking for bullets.

Okay. So I just I just added that in personalization down in the lower left. Do you see the custom instructions under personalization. Then I went to and put it in custom instructions. That's what Jim had done. And I save it. And now I'm going back here and I'll ask for. Let's see how it responds. Now. Again, it added a lot of. Emojis. Oh, and it's see, this is where mine got stuck before.

See it goes. It's getting stuck. Oh no. There we go. So. Here's what's on sale. Here's your current beef deals. And here are my emojis. It's all in bullet points. Tell me which sounds good to you and I'll pull it up. Exclamation point. So you can just click and add to your.

And this is just beginning. Keep in mind folks, we're only in year three. Yeah. November 2022 was the release of ChatGPT version three, and now we're on ChatGPT version five, and they're starting to connect everything in. We haven't looked at codes, the coding portion, maybe I can do a little bit on that and show the creation of Python. I hope I got the name right talking about how she used or he used to do it in

Google. Jim. And now this is because this is why they're worried what's going to happen to Google search? What are you going to do when you I'm going to go Google a flight to Sacramento, Google to travel to LA. What is it cost to fly to LA? What's going to happen to that search function? It already is happening. You can see it happening in there now. 3:00 any other questions?

Thank you all for attending. I hope I didn't confuse things too terribly much. I think we covered a lot of information in 90 minutes. Good. Thank you. One one last question is, will we be looking at Claude and Gemini as well? I think we'll do an overview on session five. Okay. Session five, there will be a presentation of those two. Yes. Yeah. Because I just wondered what the pros and what will they do that is different from ChatGPT. Okay. Thank you.

By. Thank you. Bye bye Joe.

Prepared with AI assistance from a transcript of the recorded session.